

Internal trait variations key

Character			Trait variations		
Beak & Skull	AA	Beak tip shape for the top of the beak	pointed (0)	weakly hooked (1)	strongly hooked (2)
	BB	Structure of a shallow depression on the side of the skull	separated by a wide surface (0)	less separated: almost meeting at midline of skull (1)	
	CC	Depth of the depression described above	flat (0)	shallow (1)	deep (2)
Shoulder blade	DD	Shape of the shoulder blade	blade-like (0)	slightly expanded (1)	broadly expanded, paddle-shaped (2)
	EE	Size of the projection on the shoulder blade where the biceps is attached	greatly expanded (0)	moderate expansion (1)	
	FF	Shape of the projection on the shoulder blade where the biceps is attached	convex (0)	concave (1)	flat (2)
Leg & Foot	GG	Kneecap structure	shallow groove (0)	deep groove (1)	perforated (2)
	HH	Ratio of length to width for lower leg bone	slender (0)	shortened (1)	very shortened (2)
	II	Opening(s) in the lower leg bone for an artery	an opening on the inner thigh side of the leg (0)	openings on both sides of the leg [inner and outer thigh] (1)	an opening on the outer thigh side of the leg (2)
Humerus upper wing bone	JJ	Humerus shaft width	thins or maintains width as you move toward the end of it (0)	widens as you move toward the end of it (1)	
	KK	Humerus shaft curvature	absent or weak (0)	strong (1)	
	LL	Shape of a bony projection on the middle front of the humerus	absent (0)	compact (1)	long (2)
	MM	Slope on the surface of the top rounded end of the humerus	in line with the midline of the body (0)	slanted toward the front of the body (1)	
	NN	Shape of a point on the humerus where a pectoral muscle passes through the bone and attaches to the underside of it	small, semicircular scar (0)	greatly elongated, with long axis parallel to the long axis of humerus (1)	greatly elongated, with long axis not parallel to the long axis of humerus (2)
Muscles	OO	Tissue that connects a part of an upper leg bone (<i>femur</i>) to the spine	totally tendinous (0)	partially tendinous, partially fleshy (1)	totally fleshy (2)
	PP	Shape of shoulder muscle	fan-shaped (0)	strap-shaped (1)	
	QQ	A muscular structure running from a back muscle to a chest muscle and attached to the humerus bone in wing	absent (0)	present (1)	